

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-000546**Date Inspected:** 10-Apr-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 0**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 12**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai

<b>Quality Control Contact:</b>	ABF Paint Supervisor William (B)			<b>Quality Control Present:</b>	<b>Yes</b>	<b>No</b>	
<b>Material transfer:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Sampled Items:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
<b>Stock Transfer:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>OK to Cut:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
<b>Rebar Test Witness:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Delayed/Cancelled:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
<b>Other:</b>	Surface Preparation and Coatings Application						
<b>Bridge No:</b>	34-0006			<b>Component:</b>	OBG Cable Trays		
<b>Bid Item:</b>	79			<b>Lot No:</b>	B226		

**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Donald Jordan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Caltrans Structural Materials Representative (SMR) Andrew Ferng requested Mr. Jordan's assistance on solving some lab related issues. After some research and discussion a solution was provided to Mr. Ferng.

Caltrans QA Coatings Inspectors reviewed a Caltrans Approved RFI for bike path parts access and coating.

Inspector Jordan went to shop 5 to look at the bike path assembly area. Mr. Jordan met with ZPMC Production Manager Bevin Dong and International Paint Onsite Technical Services Engineer Peng Zi Li about bike path coating issues. They were informed that the parts were accessible in the assembly area for blasting and painting prior to installing the cover. They said they would look into it.

Caltrans QA Weld Inspector Rodney Patterson received a notice of inspection for cable trays. Mr. Patterson contacted Caltrans QA Coatings Inspector Jordan because Mr. Patterson wasn't sure if the inspection notification was for welding or coating application. There was no translator present. Mr. Patterson stated the welds were visually acceptable. Mr. Jordan pointed out to ZPMC's Production Manager, Bevin Dong the following issues with the cable tray assemblies: The angle iron was previously abrasive blasted and primed in the faying surface areas. The coating was burned from welding and/or ground off prior to assembling the pieces. Mr. Jordan requested ZPMC to remove the bolts from 2 assembled areas for visual inspection. The coating on the faying surface had been removed by grinding. Mr. Dong saw that the faying surface area was not coated. He instructed the iron workers to take all the bolted connections apart. The parts will be taken back to the blast shop to perform the surface preparation and coating application work according to the Contract Requirements.

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## SOURCE INSPECTION REPORT

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### Summary of Conversations:

There were no relevant conversations on this date.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh (China) +8613472477571, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Jordan,Don	Quality Assurance Inspector
<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer

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